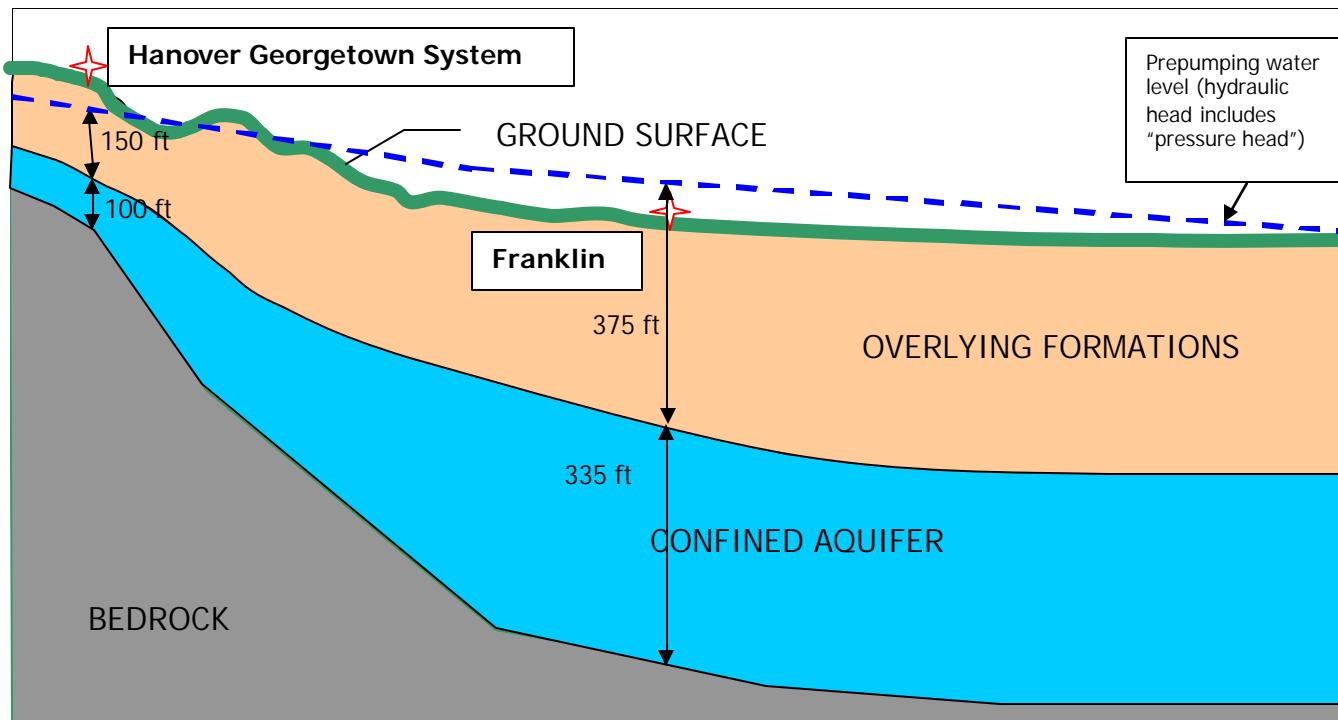
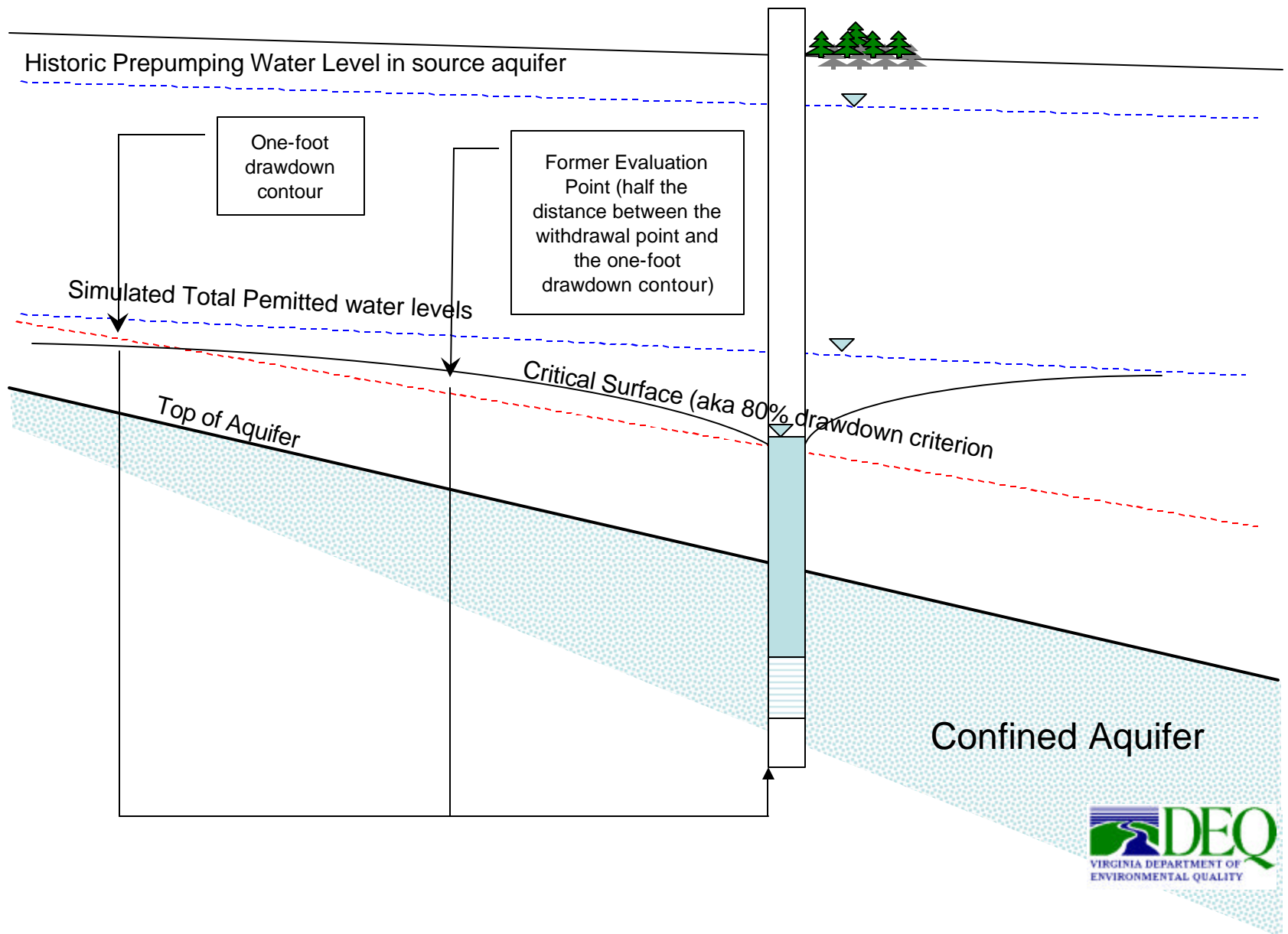


The Virginia Coastal Plain consists of an eastward dipping and thickening wedge of generally unconsolidated sands and clays. The sediments range in thickness from more than 6,000 feet beneath the northeastern part of the Eastern Shore Peninsula to a feather edge along the Fall Line.

WEST

EAST

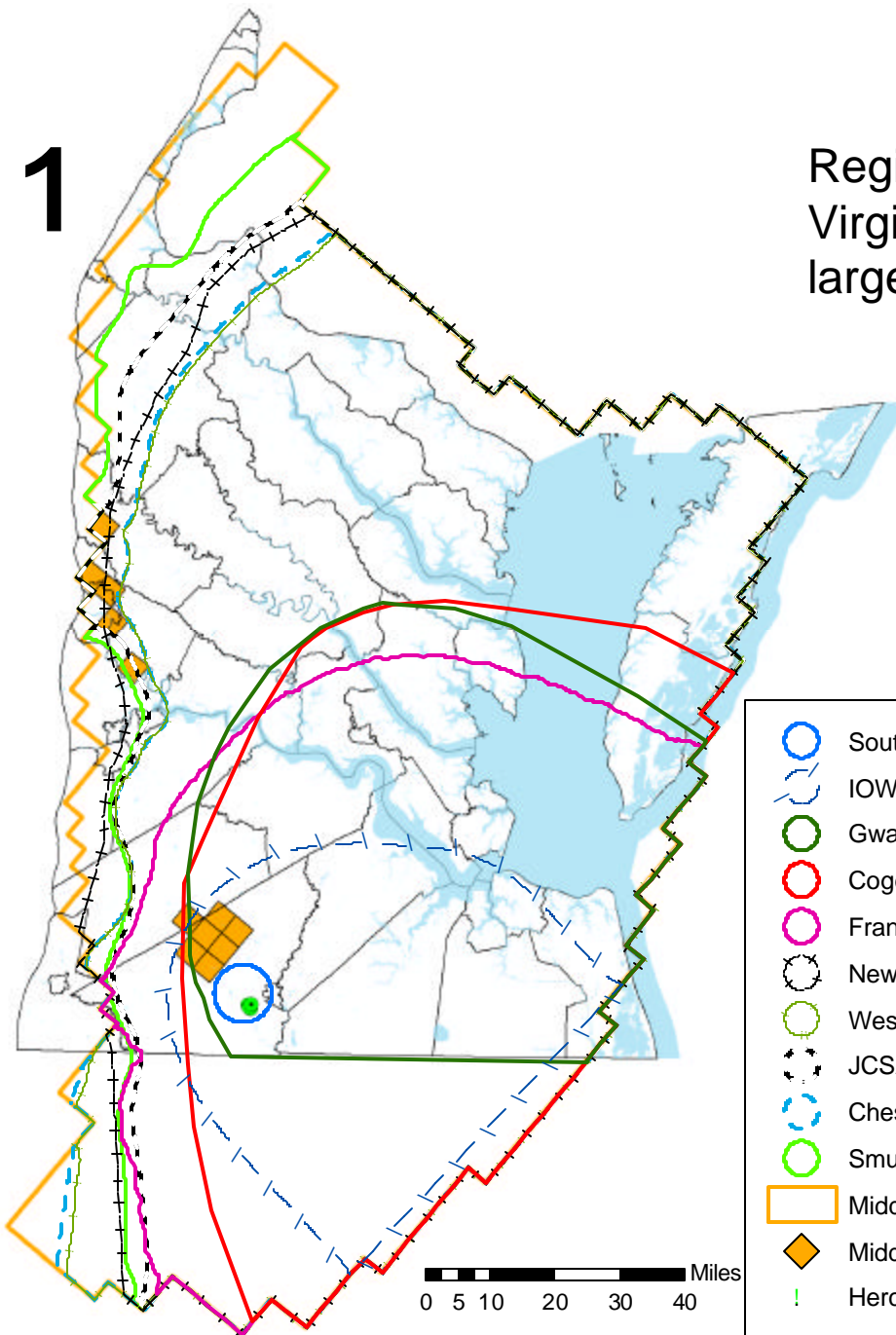




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Regional impacts predicted by the Virginia Coastal Plain Model for some large permits (2007).

(Middle Potomac Aquifer)



- Southampton, County of - Agri Business GW0033800 (109,500,000 gal/yr)
- IOW Southern Development SD GW0042600 (357,700,000 gal/yr)
- Gwaltney of Smithfield GW0042100 (568,700,032 gal/yr)
- Cogentrix GW0036300 (949,000,000 gal/yr)
- Franklin, City of GW0042900 (1,051,200,000 gal/yr)
- Newport News, City of GW0030200 (2,555,000,064 gal/yr)
- Western Tidewater Water Authority GW0045800 (3,045,770,000 gal/yr)
- JCSA Central GW0043400 (3,267,000,000 gal/yr)
- Chesapeake, City of GW0043900 (4,015,000,000 gal/yr)
- Smurfit-Stone Container GW0005100 (8,407,200,000 gal/yr)
- Middle Potomac Aquifer Active Model Area
- ◆ Middle Potomac Aquifer Critical Cells
- Hercules Production Wells

0 5 10 20 30 40 Miles